

Title (en)

A method and an apparatus for processing an audio signal

Title (de)

Verfahren und Vorrichtung zur Verarbeitung eines Audiosignals

Title (fr)

Procédé et appareil de traitement de signal audio

Publication

**EP 2083585 A1 20090729 (EN)**

Application

**EP 09000955 A 20090123**

Priority

- US 2305108 P 20080123
- KR 20090005506 A 20090122

Abstract (en)

An apparatus for processing an audio signal and method thereof are disclosed. The present invention includes receiving the audio signal and preset information; obtaining preset matrix from the preset information, wherein the preset matrix indicates contribution degree of the object to output channel; and adjusting output level of the object by using the preset matrix. Accordingly, without user's setting for each object, if preset metadata to be applied to an audio signal is selected with reference to previously-set preset metadata, levels of objects included in the audio signal can be easily adjusted using preset rendering data corresponding to the selected preset metadata.

IPC 8 full level

**H04S 7/00** (2006.01); **G10L 19/00** (2006.01); **G10L 19/008** (2013.01)

CPC (source: EP US)

**G10L 19/008** (2013.01 - EP US); **G11B 20/10** (2013.01 - EP US); **H03G 3/00** (2013.01 - US); **H04S 7/30** (2013.01 - EP US); **G06F 3/00** (2013.01 - US); **G06F 3/01** (2013.01 - US); **H04S 2400/03** (2013.01 - US); **H04S 2400/11** (2013.01 - US); **H04S 2420/03** (2013.01 - EP US)

Citation (search report)

- [A] WO 9725834 A2 19970717 - VIRTUAL LISTENING SYSTEMS INC [US], et al
- [A] "Call for Proposals on Spatial Audio Object Coding", JOINT VIDEO TEAM (JVT) OF ISO/IEC MPEG & ITU-T VCEG(ISO/IEC JTC1/SC29/WG11 AND ITU-T SG16 Q6), XX, XX, no. N8853, 19 February 2007 (2007-02-19), XP030015347
- [A] JURGEN HERRE ET AL: "New Concepts in Parametric Coding of Spatial Audio: From SAC to SAOC", MULTIMEDIA AND EXPO, 2007 IEEE INTERNATIONAL CONFERENCE ON, IEEE, PI, 1 July 2007 (2007-07-01), pages 1894 - 1897, XP031124020, ISBN: 978-1-4244-1016-3
- [A] STOLL G: "MPEG audio layer II. A generic coding standard for two and multichannel sound for DVB, DAB and computer multimedia", BROADCASTING CONVENTION, 1995. IBC 95., INTERNATIONAL AMSTERDAM, NETHERLANDS, LONDON, UK, IEE, UK, 1 January 1995 (1995-01-01), pages 136 - 144, XP006528918, ISBN: 978-0-85296-644-0

Cited by

FR2955996A1; EP2146341A1; EP2146342A1; RU2685999C1; WO2011095422A1; US8639368B2; US9445187B2; WO2016202682A1; US8452430B2; US10394520B2; US10838687B2; US11379178B2; EP4156180A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2083585 A1 20090729; EP 2083585 B1 20100915**; US 2009222118 A1 20090903; US 2014161285 A1 20140612; US 2016205490 A1 20160714; US 8615316 B2 20131224; US 9319014 B2 20160419; US 9787266 B2 20171010; WO 2009093867 A2 20090730; WO 2009093867 A3 20091126

DOCDB simple family (application)

**EP 09000955 A 20090123**; KR 2009000367 W 20090123; US 201314133249 A 20131218; US 201615077765 A 20160322; US 35898209 A 20090123